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We claim:

1. A molding composition made from a high-molecular-weight propylene polymer with a melt mass-flow rate MFR of from 0.3 to 1 g/10 min, to ISO 1133 at 230°C and 5 kg, and with a proportion in the range from 2 to 20% by weight of β modification crystallites.
- 5 2. A molding composition as claimed in claim 1, where the proportion of β modification crystallites is in the range from 2 to 10% by weight, in particular from 4 to 8% by weight.
- 10 3. A molding composition as claimed in claim 1 or 2, where a high-molecular-weight propylene homopolymer is used.
- 15 4. A molding composition as claimed in claim 1 or 2, where a high-molecular-weight propylene copolymer is used and has up to 30% by weight of other copolymerized olefins having up to 10 carbon atoms.
- 20 5. A molding composition as claimed in any of the preceding claims, where the high-molecular-weight propylene polymer has a melt mass-flow rate MFR of from 0.75 to 0.9 g/10 min.
6. A molding composition as claimed in any of the preceding claims, where the DSC crystallization onset to ISO 11357-1 is at a temperature above 122°C.
- 25 7. A molding composition as claimed in claim 6, where the DSC crystallization onset to ISO 11357-1 is at a temperature of from 123 to 127°C.
8. A molding composition as claimed in any of the preceding claims, which comprises from 0.001 to 0.5% by weight of a quinacridone pigment as nucleating agent.
- 30 9. A molding composition as claimed in claim 7, where the gamma phase of linear trans-quinacridone is used as nucleating agent.
10. A process for preparing molding compositions as claimed in claim 8 or 9 by mixing the high-molecular-weight propylene polymer with the nucleating agent, where the mixing takes place in a mixing apparatus at temperatures of from 180 to 320°C.
- 35 11. A process as claimed in claim 10, wherein the mixing takes place in an extruder.
- 40 12. The use of the molding compositions as claimed in any of claims 1 to 9 as films, fibers, or

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moldings.

13. The use of the molding compositions as claimed in any of claims 1 to 9 as materials for
5 pipes.

14. A pipe obtained from the molding compositions as claimed in any of claims 1 to 9.

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